Date: <u>August 6, 2007</u> Label No. <u>EM030847982US</u> I hereby certify that, on the date indicated above, I deposited this paper with identified attachments and/or fee with the U.S. Postal Service and that it was addressed for delivery to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by "Express Mail Post Office to Addressee" service.

	Kim Blum	- Permy	lum	
10+H	Name (Print)	Signatur	-e	
AUG U	6 2007 EN TH	E UNITED STATES I	PATENT AND TRADEMARI	K OFFICE
(A)	In reachpplication of:	KYRLIDIS et al.	) Examiner:	Arun S. Phasge
TOTRAL	MARTIN		)	Č
	Application No.:	09/945,340	) Group Art Unit:	1753
			)	
	Filed:	August 31, 2001	) Confirmation No.:	1425
	Docket No.: 96074	CIP2 (3600-011-03)	)	

( 11: L B)

For: CHROMATOGRAPHY AND OTHER ADSORPTIONS USING MODIFIED CARBON ADSORBENTS

## FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97(b)

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

August 6, 2007

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO/SB/08. Pursuant to the current United States Patent and Trademark Office rules, no copies of U.S. Patents/Patent Application Publications are provided.

This Fourth Supplemental Information Disclosure Statement is being submitted after expiration of the three-month period following filing of the above-captioned application, but before any Final Office Action or Notice of Allowance.

The above information is presented so that the Patent and/Trademarks Office can, in the first 02 FC:1806 180.03 DA instance, determine any materiality thereof to the claimed invention. See 37 CFR 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO/SB/08 be made of record therein and appear

Fourth Supplemental Information Disclosure Statement

U.S. Patent Application No. 09/945,340

on the first page of any patent to issue therefrom.

This submission does not represent that a search has been made or that no better art exists

and does not constitute an admission that each or all of the listed documents are material or

constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in

this application and applicant determines that the cited documents do not constitute "prior art" under

United States law, applicant reserves the right to present to the office the relevant facts and law

regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of

the disclosed invention over the listed documents, should one or more of the documents be applied

against the claims of the present application.

Please charge the fee of \$180.00 to Deposit Account No. 03-0060. If there are any other

fees due in connection with the filing of this response, please charge the fees to Deposit Account 03-

0060.

Respectfully submitted,

Luke A. Kilyk

Reg. No. 33,251

Atty. Docket No.: 96074CIP2 (3600-011-03)

KILYK & BOWERSOX, P.L.L.C.

400 Holiday Court, Suite 102

Warrenton, VA 20186

Tel: (540) 428-1701 Fax: (540) 428-1720

Enclosures:

PTO/SB/08 w/4 Documents

- 2 -

Approved for use through 03/31/2007. OMB 0651-0303 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  INFORMATION DISCLOSURE				Complete if Known		
				Application Number	09/945,340	
			iDE	Filing Date	August 31, 2001	
				First Named Inventor	KYRLIDIS et al.	
AUG 0 6 STANTEMENT BY APPLICANT		Art Unit	1753			
	udse as many sheets	as necessary)		Examiner Name	Arun S. Phasge	
Sheet	<b>4</b> 1	of	2	Attorney Docket Number	96074CIP2 (3600-011-03)	

U.S. PATENT DOCUMENTS						
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
Initials*		Number - Kind Code <sup>2 (if known)</sup> MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US-5,866,434	02-02-1999	Massey et al.		
		US-				
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	6	
iniuais		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				Ŀ	
		WO 96/18059	06-13-1996	Hyperion Catalysis International Inc.	Cover page attached; see U.S. Patent No. 5,866,434 for U.S. counterpart.		
		JP 05-126815	05-21-1993		English abstract attached	Γ	
······································		EP 0 326 271	08-02-1989	Rohm and Haas Company			
	-				-	┝	

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO	Complete if Known			
	Application Number	09/945,340		
WFORMATION DISCLOSURE	Filing Date	August 31, 2001		
STATERENT BY APPLICANT	First Named Inventor	KYRLIDIS et al.		
AUG :0 6 2007	Art Unit	1753		
(Use as many sheets as necessary)	Examiner Name	Arun S. Phasge		
Sheet 2 of 2	Attorney Docket Number	96074CIP2 (3600-011-03)		

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>		
***************************************	MP(4777	Office Action received in corresponding Japanese Patent Application No. 10-501615 dated February 6, 2007, with English translation.			
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	<u> </u>				

Examiner	Date	
Signature	Considered	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant.

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